

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2011 Levee Inspection Results

Brannan Andrus Levee Maintenance District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Brannan Andrus Levee Maintenance District

Waterway			Bank	Unit Miles
Unit No. 01 Georgiana Slough			Right	6.02
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/20/2011 - 4/20/2011			
DWR Inspector	Richard Willoughby			
Accompanied By	Gil Labrie DCC Engineering			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough							Right	6.02	04/20/2011 04/20/2011	Richard Willoughby
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	6.02	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.186441 ° -121.562644 °	38.186441 ° -121.562644 °	3
2	0.00	6.02	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.186441 ° -121.562644 °	38.186441 ° -121.562644 °	4
3	2.25	2.25	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.163460 ° -121.584406 °	38.163460 ° -121.584406 °	6
4	2.29	2.34	Earthen Levee	Encroachments	LS	CO	Landscaping	38.162918 ° -121.584721 °	38.162322 ° -121.585081 °	36
5	2.36	2.36	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.162004 ° -121.585229 °	38.162004 ° -121.585229 °	7
6	2.38	2.46	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.161731 ° -121.585352 °	38.160638 ° -121.585845 °	8
7	3.62	3.62	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.151744 ° -121.596425 °	38.151744 ° -121.596425 °	9
8	3.75	3.75	Earthen Levee	Encroachments	WS	M	Tree or limb Inspector Comments: Down tree on waterside slope.	38.150573 ° -121.598352 °	38.150573 ° -121.598352 °	22 Y
9	3.93	3.93	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	38.148379 ° -121.599970 °	38.148379 ° -121.599970 °	10 Y
10	3.93	3.97	Earthen Levee	Encroachments	LS	CO	Landscaping	38.148318 ° -121.599947 °	38.147898 ° -121.600347 °	11
11	4.18	4.20	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.145094 ° -121.601585 °	38.144817 ° -121.601477 °	12
12	4.25	4.28	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.144134 ° -121.601177 °	38.143747 ° -121.600924 °	13
13	4.36	4.36	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.142838 ° -121.600163 °	38.142838 ° -121.600163 °	21
14	4.79	4.82	Earthen Levee	Seepage / Sandboils	LS	A	Inspector Comments: Seepage was discovered by the district and repaired by the district.	38.137350 ° -121.596413 °	38.136850 ° -121.595997 °	5 Y
15	4.98	4.98	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees over roadway to at least 12 feet above ground level.	38.135158 ° -121.594198 °	38.135158 ° -121.594198 °	14
16	5.11	5.11	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees over roadway to at least 12 feet above ground level.	38.133759 ° -121.592598 °	38.133759 ° -121.592598 °	15
17	5.25	5.25	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.132238 ° -121.590897 °	38.132238 ° -121.590897 °	16
18	5.33	5.33	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.131327 ° -121.589980 °	38.131327 ° -121.589980 °	2

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough				Right	6.02	04/20/2011 04/20/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
19	5.79	5.81	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.129537 ° -121.582760 °	38.129599 ° -121.582155 °	17

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.02	04/20/2011 04/20/2011	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	3.75
End Levee Mile	3.75
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at down tree on waterside slope.

richard_s_20110426_532.jpg



Levee Mile Report Line	9
Start Levee Mile	3.93
End Levee Mile	3.93
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking west at dense vegetation on waterside slope.

richard_s_20110426_531.jpg



Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

Looking north on landside toe at one of several exist points of seepage.

richard_s_20110426_519.JPG



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Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.02	04/20/2011 04/20/2011	Richard Willoughby

Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

Looking west along landside toe at several exist points of seepage.

richard_s_20110426_520.JPG



Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

Looking northeast at large sink hole on landside slope.

richard_s_20110426_521.JPG



Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

Looking east at water on berm during inspection of seepage and sink holes.

richard_s_20110426_522.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.02	04/20/2011 04/20/2011	Richard Willoughby

Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

Looking west at water on waterside toe during the inspection of seepage and sink holes.

richard_s_20110426_523.JPG



Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

Looking at first stage of repairs for seepage and sink holes on landside slope.

richard_s_20110426_524.JPG



Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

Looking at one of two sink hole repairs on landside slope.

richard_s_20110426_525.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.02	04/20/2011 04/20/2011	Richard Willoughby

Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

Looking northwest at first stage of repairs for seepage on landside toe.

richard_s_20110426_526.JPG



Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

Looking north at sink hole and the first stage of repairs to the site.

richard_s_20110426_527.JPG



Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

Looking west at finish repair of sink holes and seepage with geo-tech fabric and drain rock.

richard_s_20110426_528.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough	Right	6.02	04/20/2011 04/20/2011	Richard Willoughby

Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils
Looking west at finish repair of seepage site on landside slope.	
richard_s_20110426_529.jpg	



Levee Mile Report Line	14
Start Levee Mile	4.79
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils
Looking west at water level after final repair of seepage and sink holes site.	
richard_s_20110426_530.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Brannan Andrus Levee Maintenance District

Waterway				Bank	Unit Miles
Unit No. 02 Sacramento River				Left	13.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	3/29/2011 - 3/29/2011				
DWR Inspector	Richard Willoughby				
Accompanied By	Andy Ginnianni BALMD				
	Gil Labrie DCC Engineering				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Sacramento River						Left	13.30	03/29/2011 03/29/2011	Richard Willoughby	
LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	10.31	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.191833 ° -121.567593 °	° °	24
2	0.00	10.31	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.191833 ° -121.567593 °	° °	25
3	0.42	0.42	Earthen Levee	Encroachments	LS	PO	Fences	38.189212 ° -121.574757 °	38.189212 ° -121.574757 °	26
4	0.67	0.67	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.187486 ° -121.578783 °	38.187486 ° -121.578783 °	1
5	0.78	0.83	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.186535 ° -121.580395 °	38.186103 ° -121.581127 °	2
6	0.81	0.83	Earthen Levee	Encroachments	LS	PO	Landscaping	38.186455 ° -121.580712 °	38.186215 ° -121.581060 °	8 Y
7	1.44	1.44	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.178950 ° -121.587717 °	38.178950 ° -121.587717 °	27
8	1.64	1.64	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.176486 ° -121.589445 °	38.176486 ° -121.589445 °	3
9	1.81	1.81	Earthen Levee	Encroachments	LS	PO	Landscaping	38.174302 ° -121.590863 °	38.174302 ° -121.590863 °	28
10	1.84	1.84	Earthen Levee	Trim / Thin Trees	LS	W	Trim trees to at least five feet above ground level.	38.173905 ° -121.591082 °	38.173905 ° -121.591082 °	4
11	1.91	1.95	Earthen Levee	Encroachments	LS	CO	Landscaping	38.173120 ° -121.591505 °	38.172598 ° -121.591853 °	12 Y
12	2.48	2.48	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.166378 ° -121.597570 °	38.166378 ° -121.597570 °	29
13	2.66	2.74	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 1:1 slope, tree hazards, clays and silts, 3.81 ft/s [2009 SiteID:SAC_18-0_L]	38.165367 ° -121.600517 °	38.164747 ° -121.601844 °	17 Y
14	2.93	3.13	Earthen Levee	Encroachments	LS	PO	Urban	38.163317 ° -121.604813 °	38.162707 ° -121.608262 °	30
15	3.17	3.17	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees over roadway to at least 12 feet above ground level.	38.162638 ° -121.609068 °	38.162638 ° -121.609068 °	5 Y
16	3.20	3.20	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees over roadway to at least 12 feet above ground level.	38.162643 ° -121.609616 °	38.162643 ° -121.609616 °	6
17	3.22	3.22	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.162609 ° -121.609979 °	38.162609 ° -121.609979 °	7

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River							Left	13.30	03/29/2011 03/29/2011	Richard Willoughby
LMR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
18	3.38	3.57	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: no berm, vertical slope, tension cracks, tree hazards, holes and slumping, silts, 3.43 ft/s [2009 SiteID:SAC_17-2_L]	38.162467 ° -121.612806 °	38.162858 ° -121.616256 °	18 Y
19	3.53	3.60	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.162590 ° -121.615345 °	38.162728 ° -121.616622 °	22
20	3.63	3.74	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: no berm, vertical slope, tension cracks, tree hazards, holes and slumping, silts, 3.22 ft/s [2009 SiteID:SAC_16-8_L]	38.163022 ° -121.617317 °	38.163333 ° -121.619311 °	19 Y
21	4.01	4.01	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.164470 ° -121.624012 °	38.164470 ° -121.624012 °	31
22	4.04	4.15	Earthen Levee	Encroachments	LS	PO	Landscaping	38.164498 ° -121.624343 °	38.165167 ° -121.626273 °	59
23	4.47	4.47	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.167135 ° -121.631662 °	38.167135 ° -121.631662 °	32
24	5.19	5.43	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.171455 ° -121.643229 °	38.171800 ° -121.647447 °	9
25	5.59	5.59	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.172019 ° -121.650327 °	38.172019 ° -121.650327 °	10
26	5.66	5.70	Earthen Levee	Vegetation	WS	W	Remove the wild growth other than native grasses from the levee slopes.	38.172308 ° -121.651552 °	38.172497 ° -121.652243 °	11
27	5.68	5.71	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.172388 ° -121.651892 °	38.172512 ° -121.652322 °	36
28	5.70	5.72	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: no berm, 1:1 slope, tension cracks and slumping, sands and cobbles, 2.82 ft/s [2009 SiteID:SAC_15-0_L]	38.172631 ° -121.652144 °	38.172733 ° -121.652500 °	20 Y
29	5.82	6.15	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	38.173130 ° -121.654285 °	38.174559 ° -121.659867 °	13
30	6.35	6.38	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.173586 ° -121.663297 °	38.173391 ° -121.663786 °	14
31	6.82	6.82	Earthen Levee	Encroachments	LS	CO	Fences	38.169008 ° -121.669420 °	38.169008 ° -121.669420 °	42 Y
32	8.35	8.71	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.150112 ° -121.682305 °	38.144977 ° -121.683345 °	44 Y
33	8.46	8.46	Earthen Levee	Encroachments	WS	M	Tree or limb	38.148323 ° -121.682548 °	38.148323 ° -121.682548 °	33

*** Location**

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Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	13.30	03/29/2011 03/29/2011	Richard Willoughby

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
34	8.99	9.21	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: no berm, 1:1 slope, tree hazards, holes, and slumping, clays and silts, 6.8 ft/s [2009 SiteID:SAC_11-2_L]	38.138169 ° -121.686606 °	38.141403 ° -121.685450 °	21 Y
35	9.42	9.42	Earthen Levee	Trim / Thin Trees	WS	W	Trim trees to at least five feet above ground level.	38.135106 ° -121.686065 °	38.135106 ° -121.686065 °	15
36	9.68	9.74	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.131448 ° -121.686432 °	38.130537 ° -121.686737 °	16
37	9.70	9.97	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 1:1 slope, no stability issues, clays and silts, 7.05 ft/s [2009 SiteID:SAC_10-8_L]	38.131386 ° -121.687347 °	38.127750 ° -121.688806 °	23 Y

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	13.30	03/29/2011 03/29/2011	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.81
End Levee Mile	0.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Landscaping on landside slope blocking view of slope from LM .81 to 0.83	
richard_s_20110215_001.jpg	



Levee Mile Report Line	11
Start Levee Mile	1.91
End Levee Mile	1.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Landscaping on landside slope blocking view of slope from LM 1.91 to 1.95	
richard_s_20110215_002.jpg	



Levee Mile Report Line	13
Start Levee Mile	2.66
End Levee Mile	2.74
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: no berm, 1:1 slope, tree hazards, clays and silts, 3.81 ft/s [2009 SiteID:SAC_18-0_L]	
richard_s_20110215_003.JPG	



* Location LS : Landside WS : Waterside CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	13.30	03/29/2011 03/29/2011	Richard Willoughby

Levee Mile Report Line	15
Start Levee Mile	3.17
End Levee Mile	3.17
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking south at overhanging tree on waterside shoulder.

richard_s_20110330_472.jpg



Levee Mile Report Line	18
Start Levee Mile	3.38
End Levee Mile	3.57
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

2009: no berm, vertical slope, tension cracks, tree hazards, holes and slumping, silts, 3.43 ft/s [2009 SiteID:SAC_17-2_L]

richard_s_20110215_004.JPG



Levee Mile Report Line	20
Start Levee Mile	3.63
End Levee Mile	3.74
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

2009: no berm, vertical slope, tension cracks, tree hazards, holes and slumping, silts, 3.22 ft/s [2009 SiteID:SAC_16-8_L]

richard_s_20110215_005.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	13.30	03/29/2011 03/29/2011	Richard Willoughby

Levee Mile Report Line	28
Start Levee Mile	5.70
End Levee Mile	5.72
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: no berm, 1:1 slope, tension cracks and slumping, sands and cobbles, 2.82 ft/s [2009 SiteID:SAC_15-0_L]	
richard_s_20110215_006.JPG	



Levee Mile Report Line	31
Start Levee Mile	6.82
End Levee Mile	6.82
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Brick wall on landside shoulder at LM 6.82	
richard_s_20110215_009.jpg	



Levee Mile Report Line	32
Start Levee Mile	8.35
End Levee Mile	8.71
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking southeast at trees on landside shoulder and slope.	
richard_s_20110330_473.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Brannan Andrus Levee Maintenance District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	13.30	03/29/2011 03/29/2011	Richard Willoughby

Levee Mile Report Line	34
Start Levee Mile	8.99
End Levee Mile	9.21
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: no berm, 1:1 slope, tree hazards, holes, and slumping, clays and silts, 6.8 ft/s [2009 SiteID:SAC_11-2_L] richard_s_20110215_007.JPG	



Levee Mile Report Line	37
Start Levee Mile	9.70
End Levee Mile	9.97
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: no berm, 1:1 slope, no stability issues, clays and silts, 7.05 ft/s [2009 SiteID:SAC_10-8_L] richard_s_20110215_008.JPG	

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